

FIGURE 1

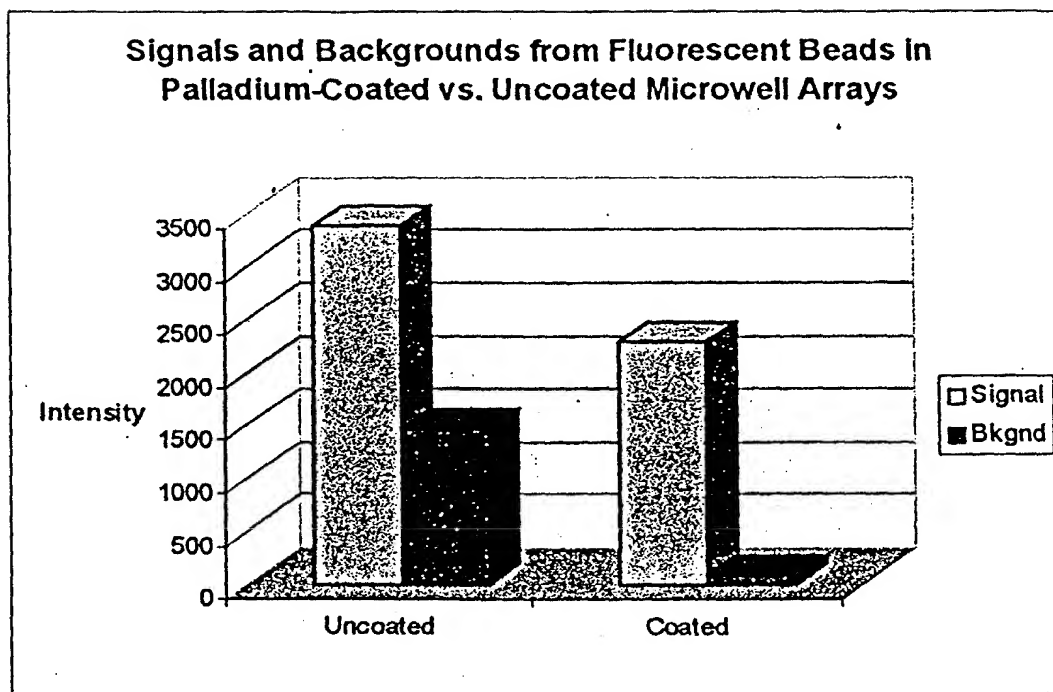


FIGURE 2a

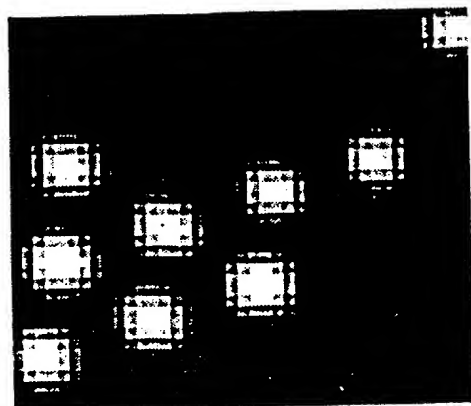


FIGURE 2b

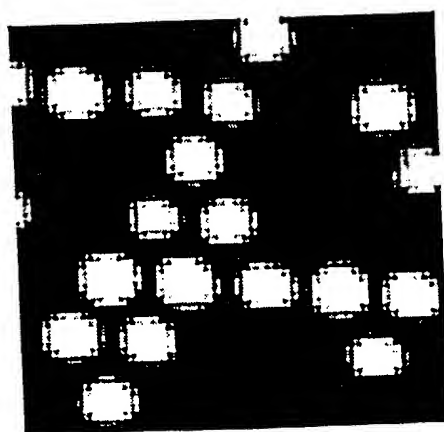


FIGURE 2c

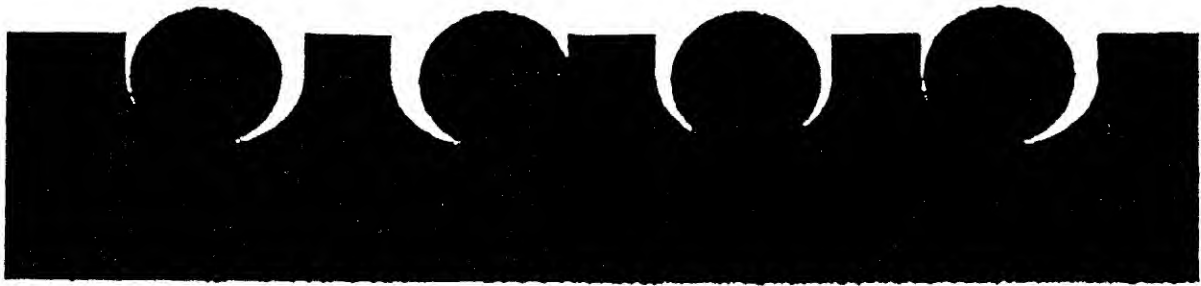


FIGURE 3

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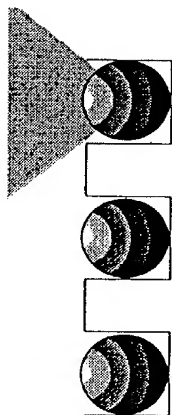


FIGURE 4a

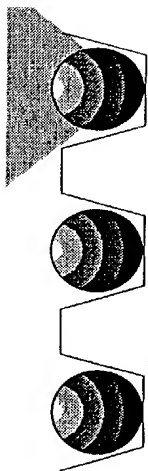


FIGURE 4b

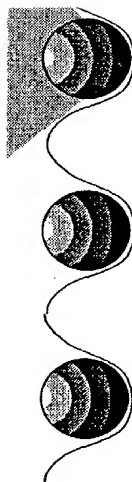


FIGURE 4c

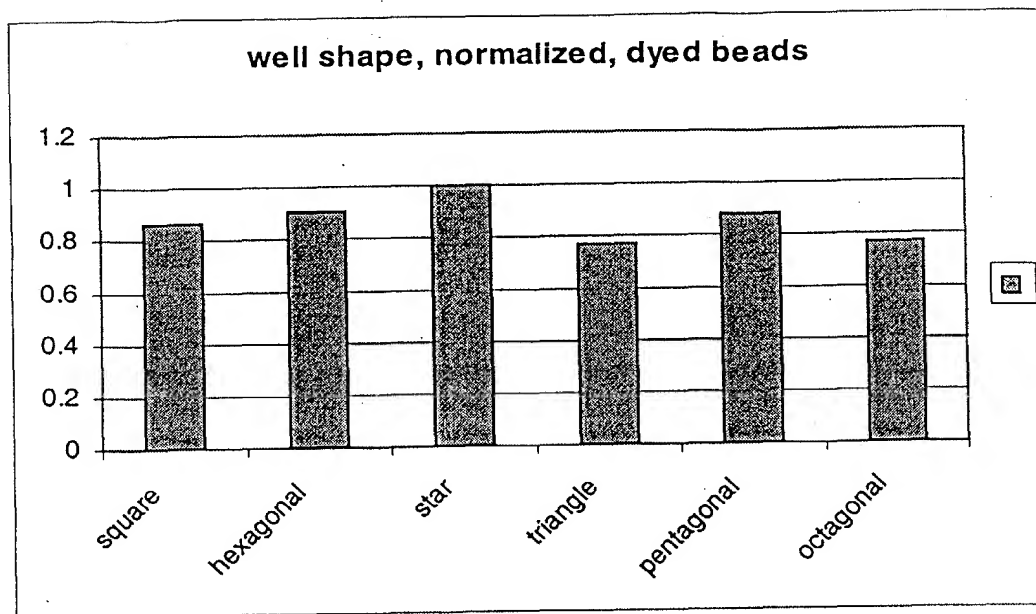


FIGURE 5

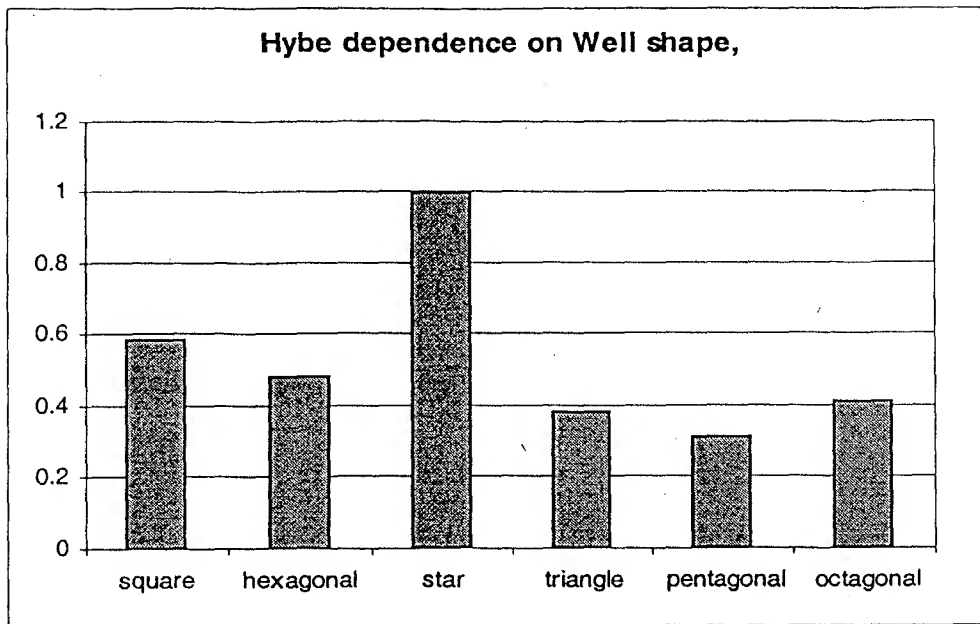


FIGURE 6

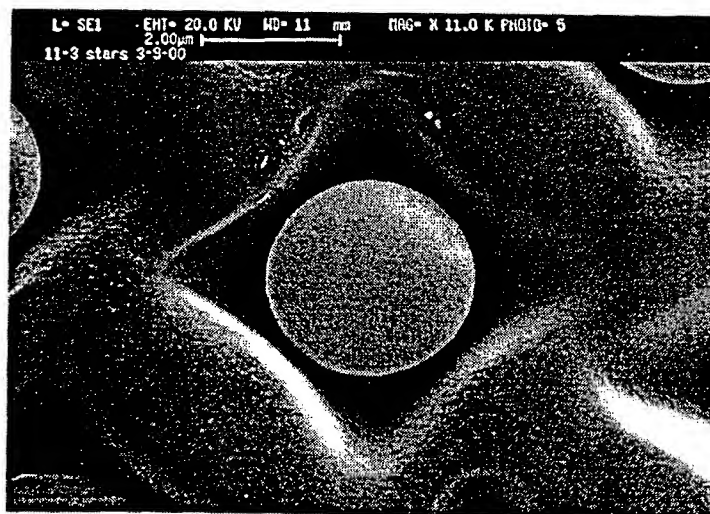


FIGURE 7

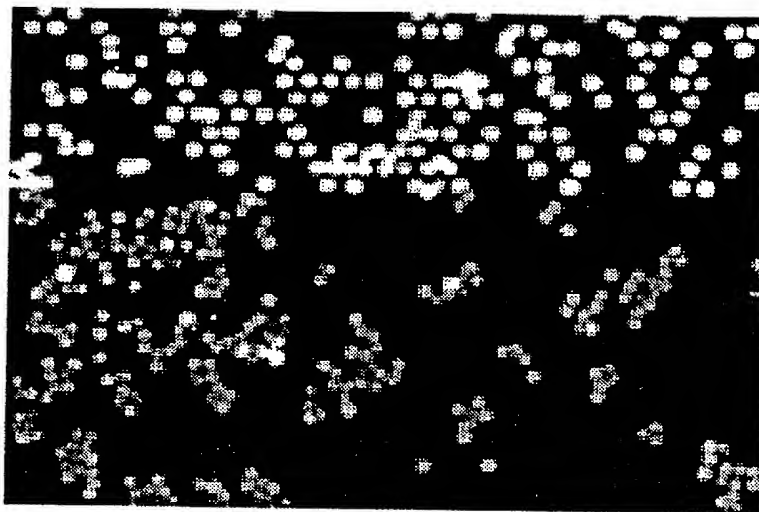


FIGURE 8a

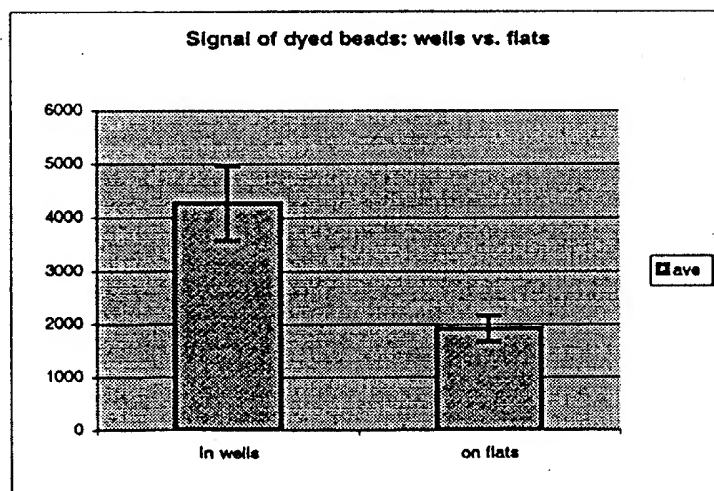
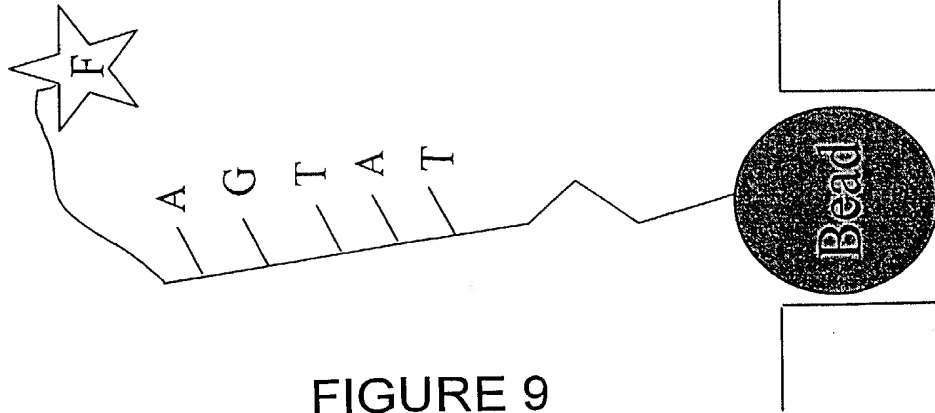
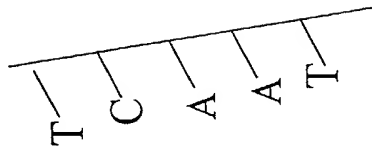
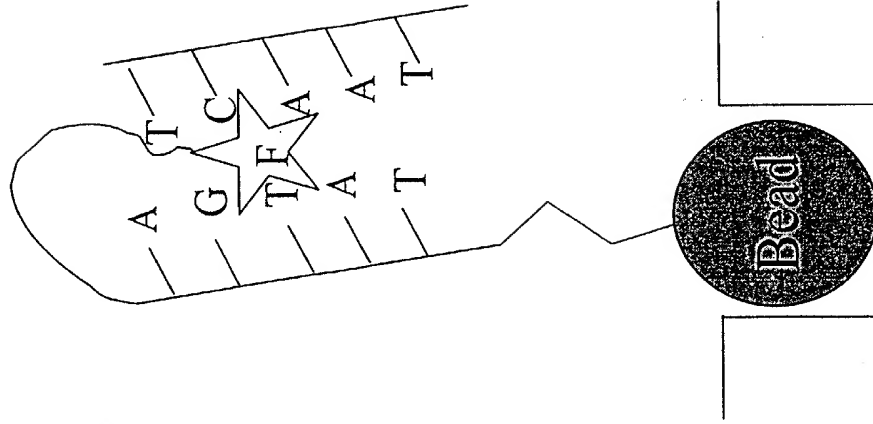


FIGURE 8b

Concept 1.



Hybridization



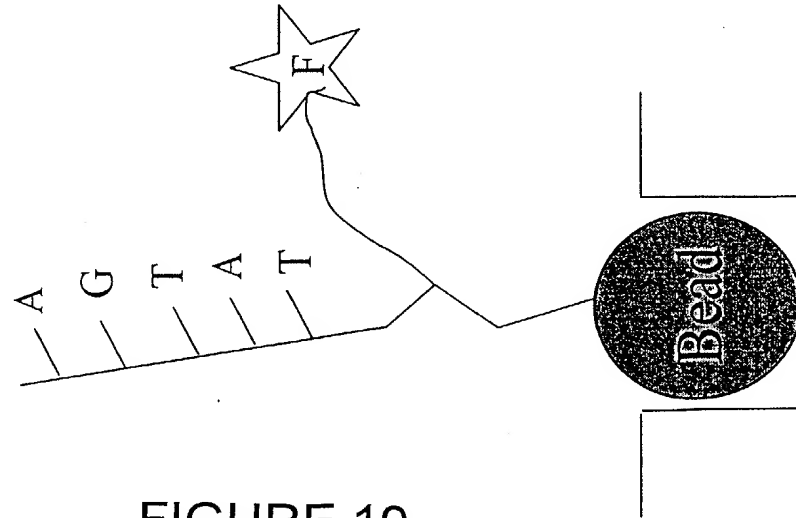
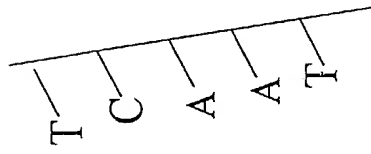
Fluorescence State One

Fluorescence State Two

FIGURE 9

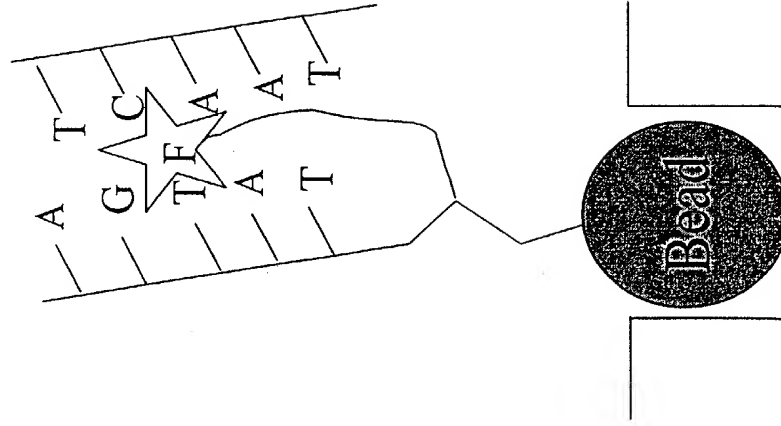
Concept 2.

Unlabeled Analyte



Fluorescence State One

Hybridization



Fluorescence State Two

FIGURE 10

Concept 3.

Amplified Unlabeled Analyte



Recognition Sequence

Generic Tag

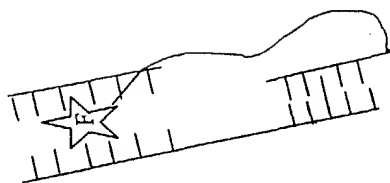
Intercalator Fluorophore



Hybridization



Intercalation of Fluorophore into ds DNA complex



Fluorescence State One

Fluorescence State Two

FIGURE 11

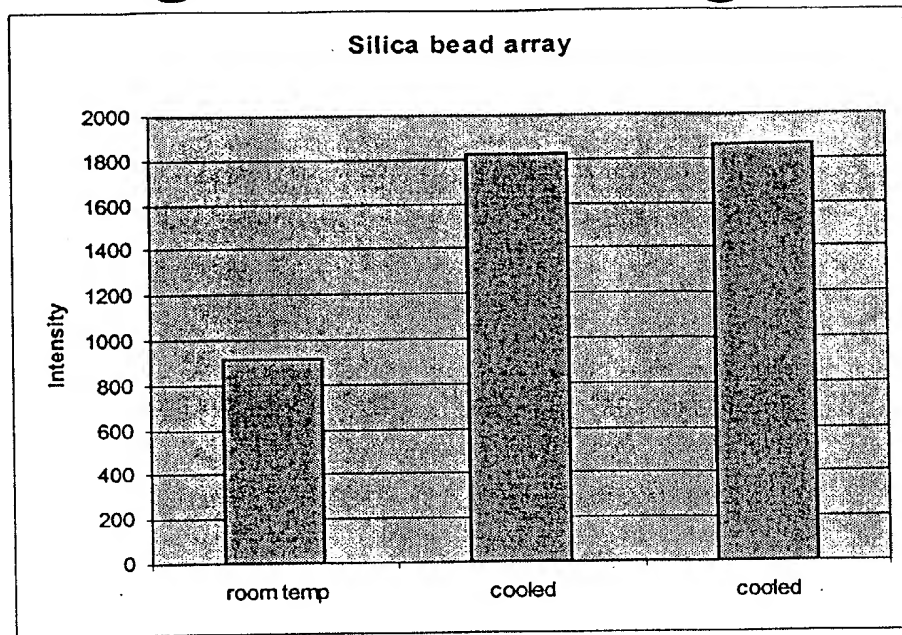


FIGURE 12a

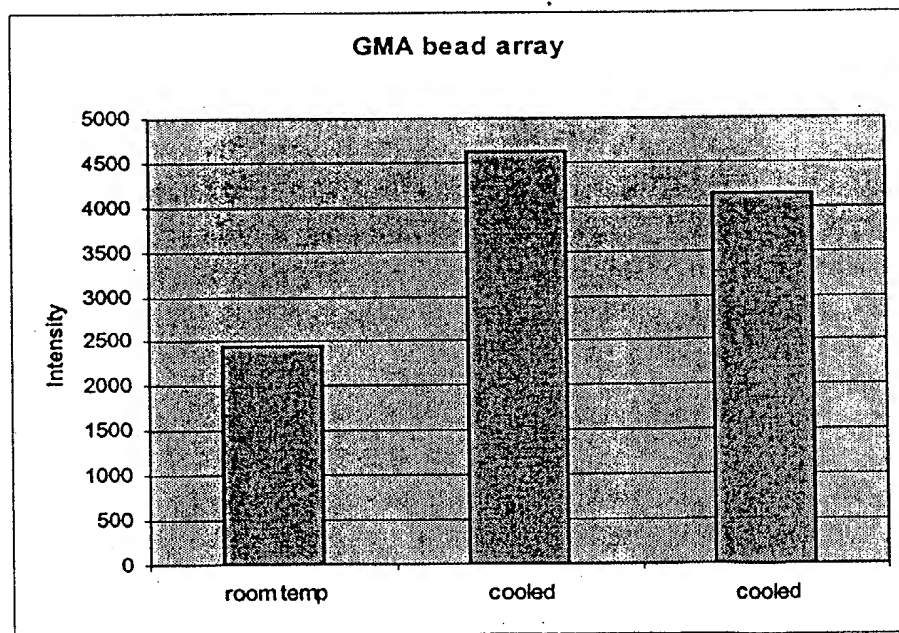


FIGURE 12b

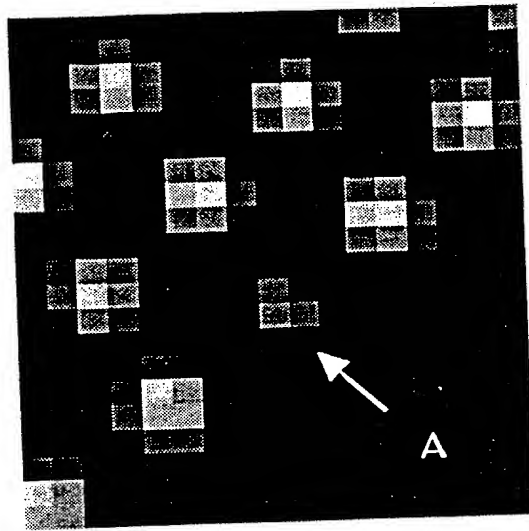


FIGURE 13a

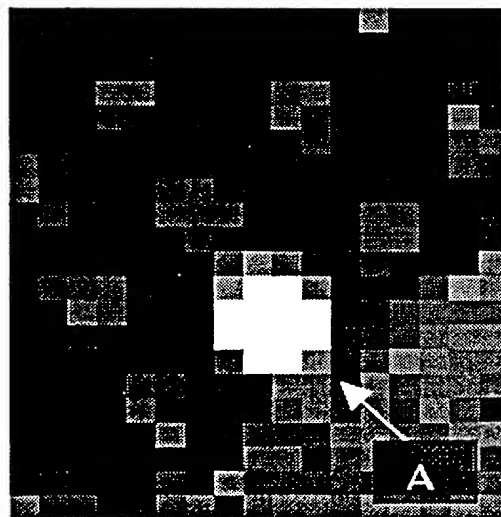


FIGURE 13b

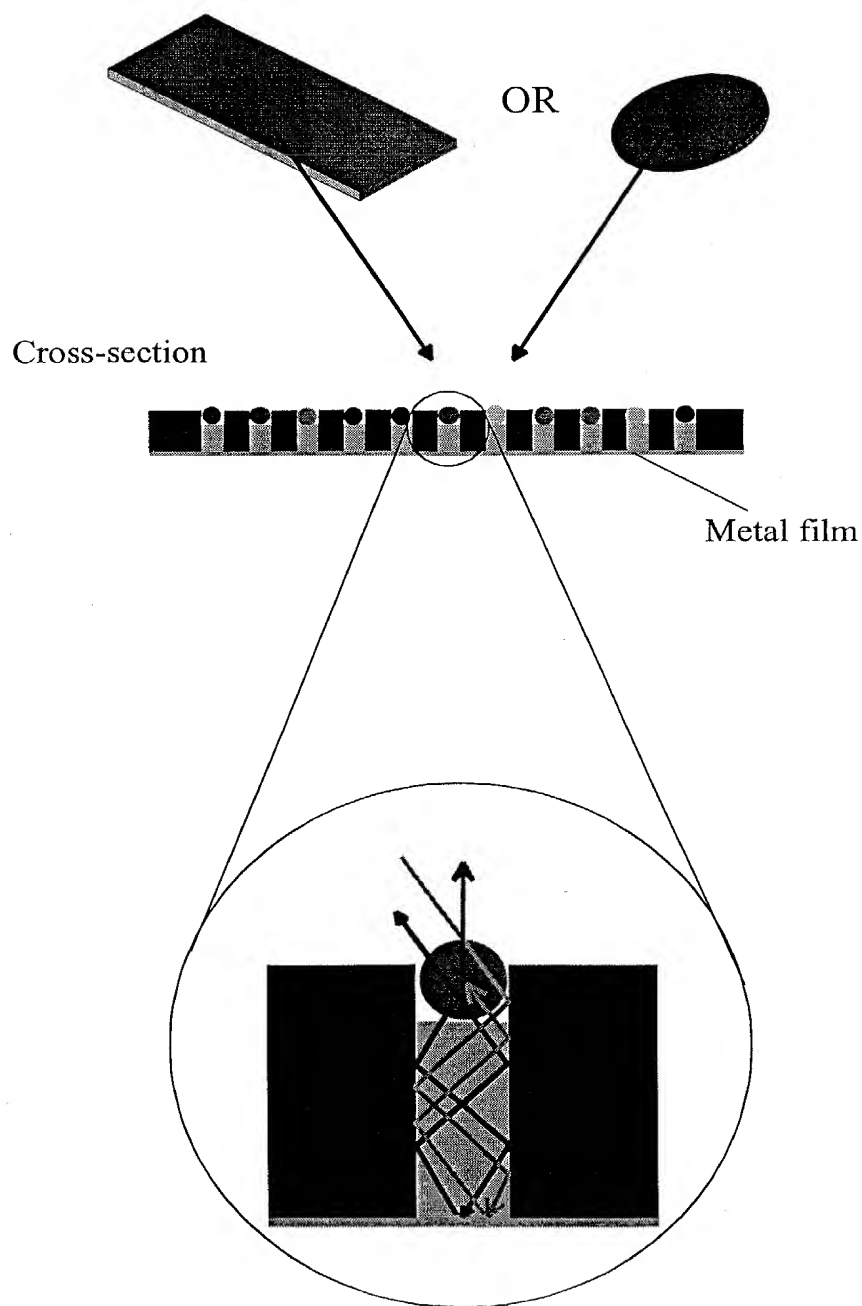


FIGURE 14